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## AMENDMENTS TO THE CLAIMS

Please Amend the claims according to the following listing. This listing of claims will replace all prior versions, and listings, of claims in the application:

## **LISTING OF CLAIMS**

- 1. (Cancelled)
- 2. (Previously Presented) The system of claim 17, wherein the speculative data load is loaded in the pipeline.
- 3. (Previously Presented) The system of claim 17, wherein one or more of the data loads in the pipeline are not dependent on any specific data load and not selectively flagged.
- 4. (Previously Presented) The system of claim 17, wherein the flag is a bit within the instruction.
- 5. (Previously Presented) The system of claim 17, wherein the flag is attached to the instruction.
- 6. (Previously Presented) The system of claim 17, wherein each flagged instruction is flushed from the pipeline upon the determination of a misprediction for a data load.
- 7. (Previously Presented) The system of claim 17, wherein the fast-load data cache includes a directory.

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- 8. (Previously Presented) The system of claim 17, wherein the fast-load data cache does not include a directory.
- 9. (Cancelled)
- 10. (Previously Presented) The method of claim 18, further comprising the step of loading the speculative data load into the pipeline.
- 11. (Previously Presented) The method of claim 18, wherein the step of selectively flagging the one or more instructions does not flag an instruction that is not dependent on a specific instruction.
- 12. (Previously Presented) The method of claim 18, wherein the step of selectively flagging a dependant instruction occurs through altering a bit within the dependant instruction.
- 13. (Previously Presented) The method of claim 18, wherein the step of selectively flagging the dependant instruction occurs through attaching a flag to the dependant instruction.
- 14. (Previously Presented) The method of claim 18, further comprising the step of flushing the flagged dependent instruction from the pipeline upon the determination of a misprediction of a corresponding data load.

## 15-16. (Cancelled)

17. (Currently Amended) A computer architecture, comprising:
at least one pipeline able to selectively load, execute and flush as series of instructions
and capable of selectively flagging each of the series of instructions with a flag to

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indicate dependence upon the load of a speculative instruction;

- at least one fast-load data cache that loads at least one speculative data load relative to the speculative instruction;
- a circuit that determines if the speculative data load is a misprediction; and
- the pipeline being constructed so that if the speculative data load is a misprediction, then execution of the <u>a</u> dependant instruction is inhibited while the dependant instruction is in the pipeline, otherwise executing execution of the dependant instruction is not inhibited.
- 18. (Original) A method for executing instructions in a computer architecture that includes a pipeline, the method comprising the steps of:

loading a plurality of instructions into the pipeline;

selectively flagging a dependant instruction in the pipeline, thereby indicating that the dependant instruction depends upon the load of a speculative instruction

loading a speculative data load relative to the speculative instruction;

determining if the speculative data load is a misprediction; and

inhibiting execution of the dependant instruction while the dependant instruction is in the pipeline if the speculative data load is a misprediction, otherwise executing the dependant instruction.